



11
102
1004

Leibniz
Universität
Hannover

Oberseminar

Zahlentheorie und Arithmetische Geometrie

Dr. Yang Cao

(Alexander von Humboldt-Stipendiat, Leibniz Universität Hannover)

"The purity of strong approximation"

Strong approximation with Brauer-Manin obstruction is defined by Colliot-Thélène and Fei to study the local-global for the integral points.

For a semi-simple, simply connected linear algebraic group G , it is conjectured that G satisfies the propriety of purity: the complement of any codimension ≥ 2 closed subset satisfies strong approximation. I will talk about its proof by fibration method in some special cases and also its link with counting in the general case.

Donnerstag, 10.01.2019

ab 12:00 Uhr, g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

**Institut für Algebra, Zahlentheorie
und Diskrete Mathematik**